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9 FEB 1965

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The neotype of *Bombus alpinus* (Linnaeus, 1758)

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Bombus alpinus (L.) belongs to subgenus *Alpinobombus* Skorikov, 1914, of which it is the type species. It was described as *Apis alpina* by Linnaeus in his *Systema Naturae*, Ed. 10., 1758, p. 579, no. 39, the species referred to as "Fauna Svec. 1016". It represents no. 1016 of Linnaeus in "Fauna Svecica" Ed. I 1746, p. 304. In *Systema Naturae* XII Ed. 1767, p. 961, no. 55, it has no. 1719 which represents this number of Linnaeus in "Fauna Svecica" Ed. II 1761, p. 425—426. In *Acta Upsaliensis* 1736, p. 28, it has no. 12.

On revising museum collections of Scandinavian *B. alpinus* several ♀♀ and ♂♂ appeared to be *B. arcticus alpiniformis* Richards. This form has also been identified in recently collected *Alpinobombus* material and to my present knowledge the distribution may be almost the same as that of *B. alpinus*.

The holotype of *B. alpinus* must be considered as lost and no syntypes can exist as Linnaeus only collected a single specimen. In order to avoid confusion, I have therefore chosen a neotype, which will be designated by the following details:

1. The neotype chosen is *alpinus* sensu present authors, for instance as used by O. W. Richards: Some notes of the bumble-bees allied to *Bombus alpinus*, L., Tromsø Museums Årshefte 50 (1927) 1931, and B. Pittioni: Die boreoalpinen Hummeln und Schmarotzerhummeln (Hymen. Apidae, Bombinae), I. Teil, Mitt. köngl. naturw. Inst. Sofia VI. 1942.

The female has shiny and scarcely alutaceous hind tibiae. The male has the eighth sternite gradually converging with its apex more or less rounded and never suddenly converging to a point.

2. The neotype, a queen, is labelled:
Lu.Lpm.: Virihaure-omr. Staloluokta, reg. subarct. 8.VIII.1944 (1st label); Sverige, Lule lappmark, Virihaure expedition, juli—aug. 1944 P. Brinck—K. G. Wingstrand (2nd label); *alpinus* L. det. G. Kruseman (3rd label); and vidit A. Löken 1963 (4th label).
3. No original specimens are to be found in the collection of the Linnean Society, Burlington House, London, or in the Linnaean collection of "Mus. Gust. Adolph", Uppsala, Sweden.
4. The neotype is in accordance with Linnaeus' description of 1758, p. 579, no. 39, reference Fauna Svecica 1746, 1016:
APIS hirsuta: thorace nigro abdomine luteo. *Act.ups.* 1736, p. 28, no. 12.
Apis hirsuta maxima Alpino-lapponica collari nigro, abdomine luteo.
Habitat in *Alpibus Lapponicis*, ubi modo unicam legi.

DESCR. Magnitudine ad *Scarabæum cornibus cervinis* 337 accedit, tota hirsuta & atra, excepto abdomine toto luteo seu ferrugineo, solaque abdominis basi nigra.

5. The neotype is from Lule Lappmark which would be the same area as for the lost type of Linnaeus.
6. The neotype is the property of Zoologiska Institutionen, Universitetet, Lund, Sweden, where it is available for study.

My sincere thanks to dr. I. H. H. Yarrow and Mr W. H. T. Tams who kindly arranged my visit to the Linnean Society in London, and to dr. C. H. Lindroth, Zoologiska Institutionen, Universitetet, Lund, Sweden, for allowing me to choose the neotype from the collection of this institute.

